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FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEY

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APR - 5 1967

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS for MONTANA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
MONTANA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State, and private organizations listed on the inside back cover of this report.

AS OF
MAR. 1, 1966

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS
for
MONTANA

Report Prepared
By
Phillip E. Farnes
Snow Survey Supervisor
And
Stanley E. Cook
Assistant Snow Survey Supervisor

Snow Survey and Water Supply Forecasting Branch
Soil Conservation Service
Box 855
Bozeman, Montana

Issued By

A. B. Linford
State Conservationist
Soil Conservation Service
Bozeman, Montana

J. A. Asleson, Director
Montana Agricultural
Experiment Station
Bozeman, Montana



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MONTANA
WATER SUPPLY OUTLOOK
as of
March 1, 1966

* * * * *

*
* The current water supply outlook varies from *
* Poor in the westcentral, Fair in the southwest *
* to Good elsewhere. *
*
* Some shortage of late season irrigation water *
* is anticipated for the Upper Clark Fork and *
* Bitterroot drainages and streams tributary to *
* the Missouri River not having reservoir storage. *
*
* The snow pack is near average in the Kootenai *
* and Flathead drainages, tapering off to about *
* three-quarters average in the central and *
* southern portions of the state. *
*
* Moisture in the soil under the snow pack is *
* generally above average. *
*
* * * * *

Snow cover in the Kootenai River drainage is near average and about 90 percent of last year. The Flathead River drainage has a snow pack about three-fourths that of a year ago and 94 percent average. The Lower Clark Fork is about 75 percent of last year and 90 percent average. The headwaters of the Clark Fork and the Bitterroot drainages have a shallow snow pack. The March 1 measurements are about one-half of last year and about 70 percent of the 1948-62 average.

East of the Divide, snow cover in the Jefferson, Madison and Gallatin drainages is about one-half of last year and 70 to 75 percent average.

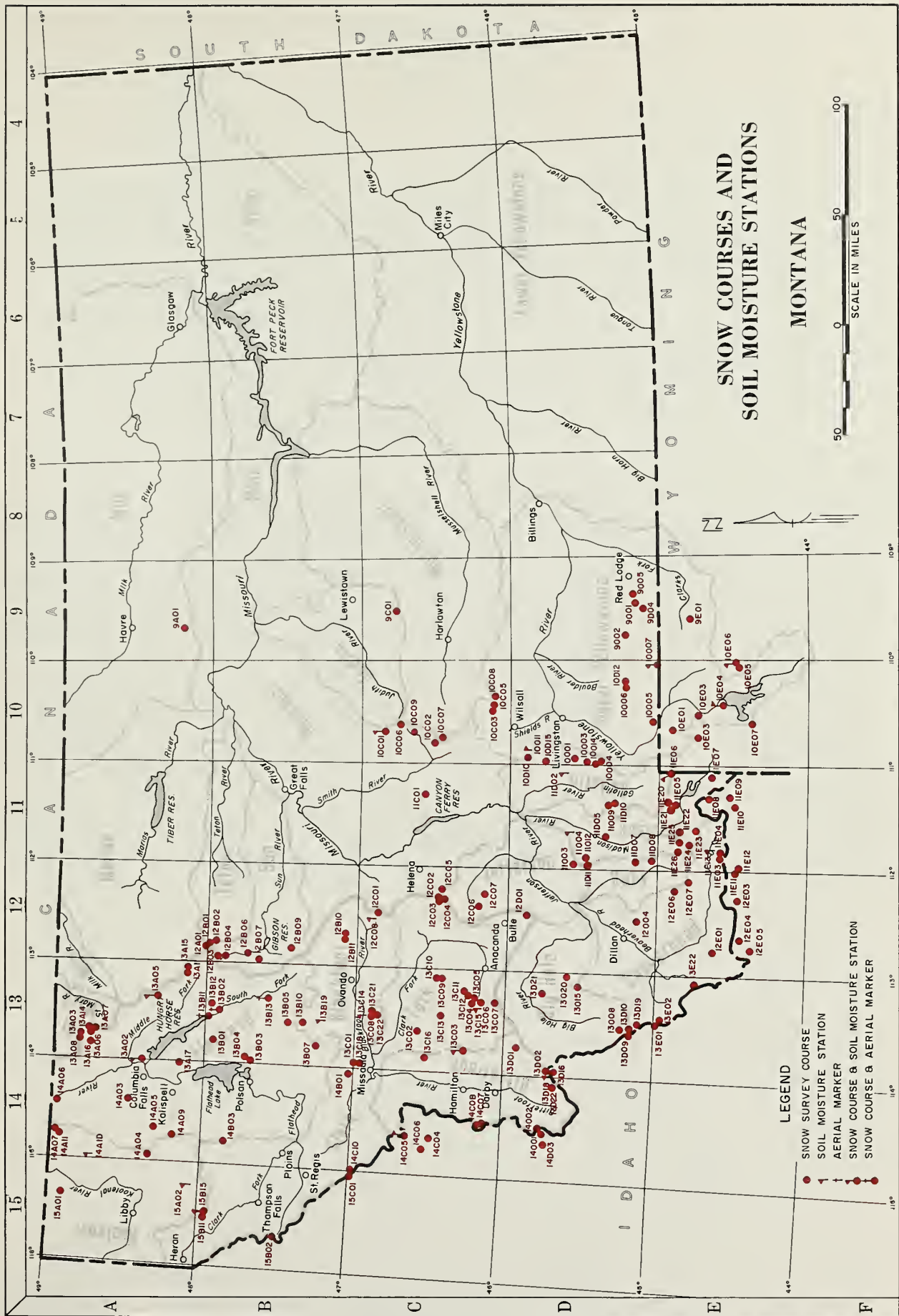
Along the Main Stem of the Missouri, snow cover is about 80 percent average in the Toston to Fort Benton area, increasing to about 90 percent average in the Sun, Teton and Marias River drainages. Snow pack in the Yellowstone is about one-half that of a year ago and 80 percent average.

In general, soil moisture under the snow pack is above average and will increase the runoff from the low snow pack.

Shortages of late season irrigation water supplies are expected to occur on the Bitterroot and Upper Clark Fork tributaries and possibly on tributaries to the Missouri River that do not have adequate reservoir storage. Streamflow is forecast about 70 to 80 percent average in the Upper Clark Fork-Bitterroot drainage. Flathead River tributaries are forecast 90 to 100 percent average and Kootenai flows are expected to be a little above average.

East of the Divide, streamflow is forecast 75 to 90 percent average on the headwaters of the Missouri and on streams tributary to the Missouri. Yellowstone River tributaries are forecast 80 to 90 percent average. The Milk and St. Mary River drainages in Northern Montana are forecast about 5 percent less than the 1948-62 average.

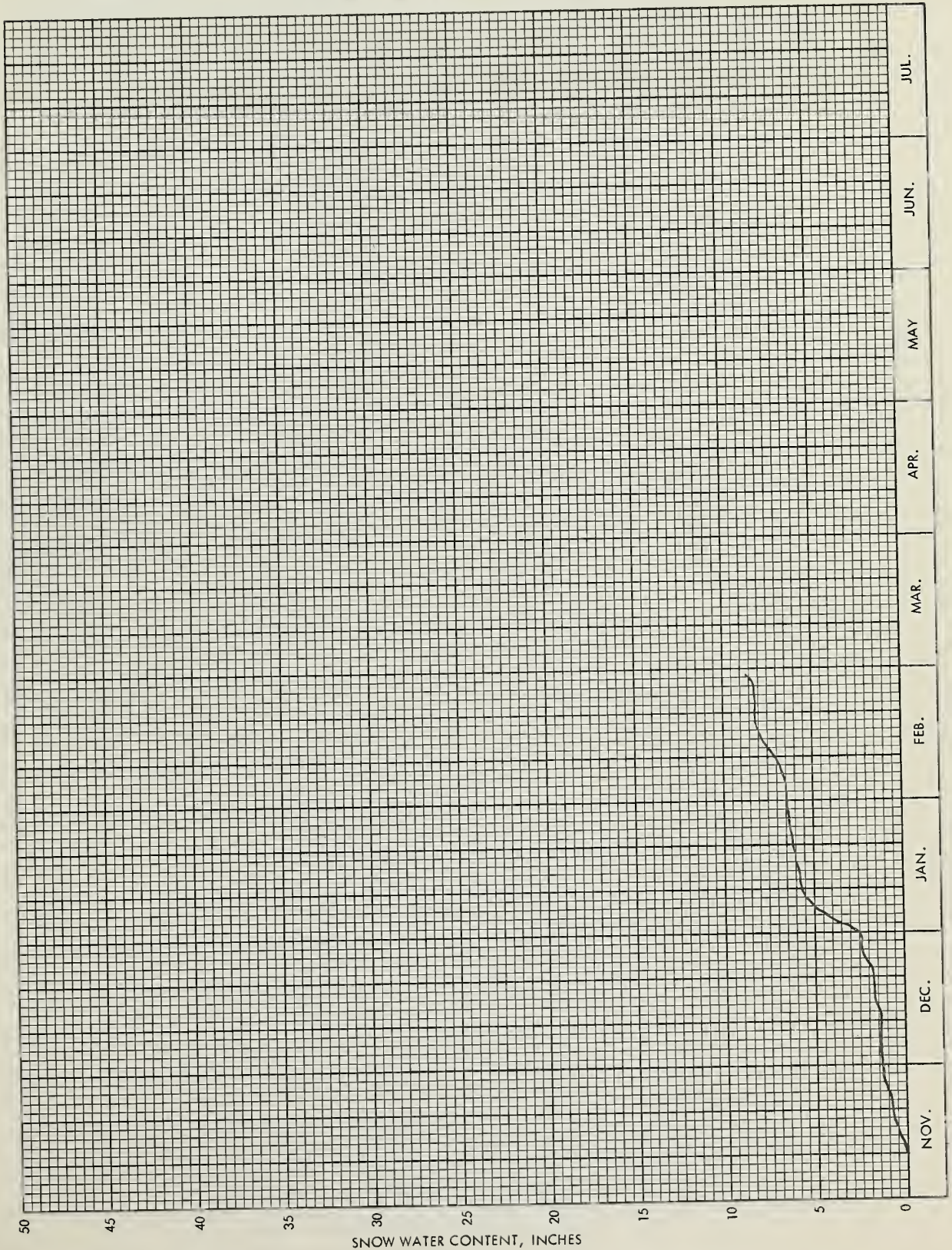
Reservoir storage is generally near or above average in irrigation reservoirs and near average in multipurpose and water power reservoirs.



BLACK PINE
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 26 T. 8N R. 15W No. 13C13 Drainage: Columbia
Lat. 46-25 Long. 113-26 Elev. 7100 Clark Fork

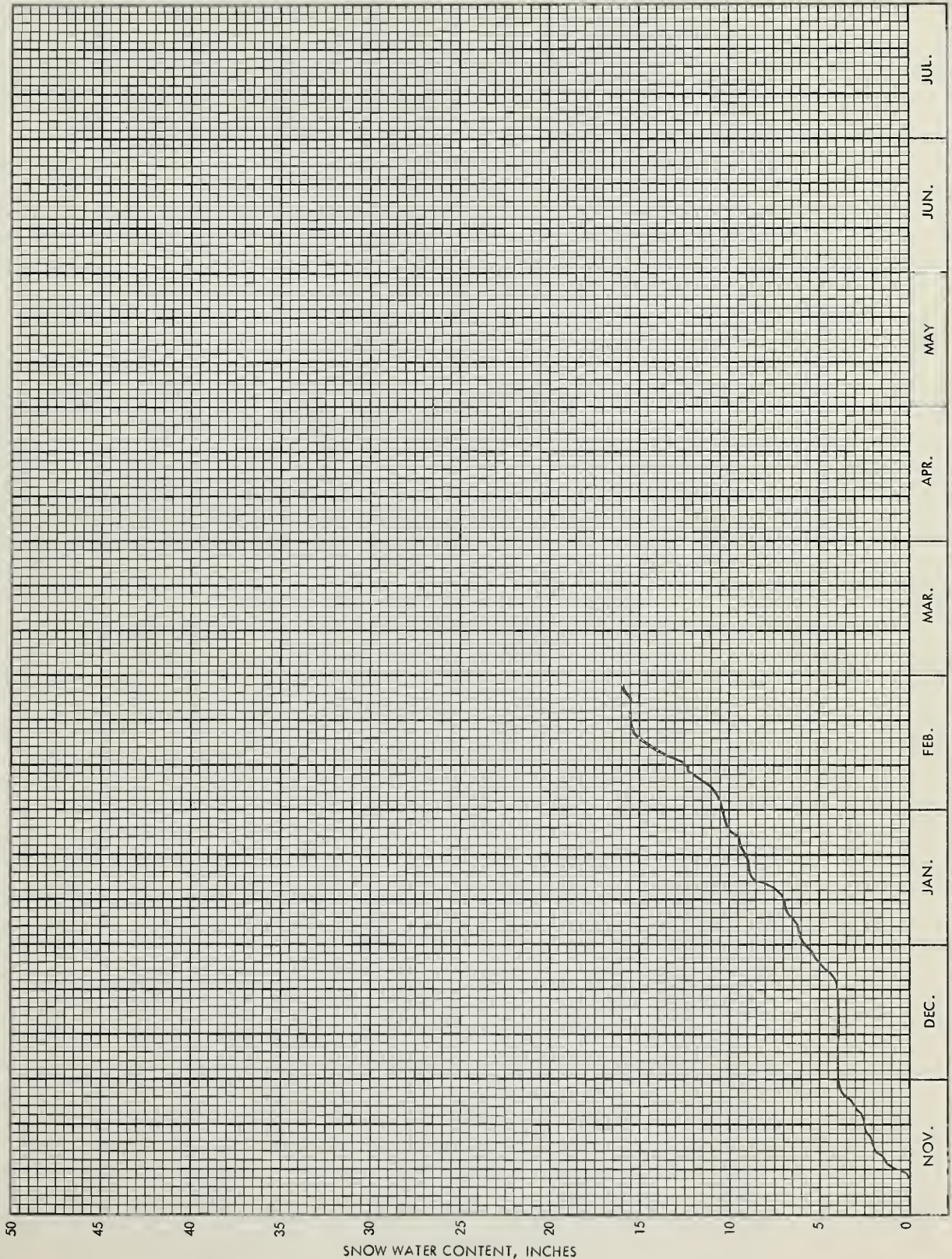




BRIDGER BOWL
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 25 T. 1N R. 6E No. 10D15 Drainage: Missouri
Lat. 45-48 Long. 110-55 Elev. 7250 Gallatin

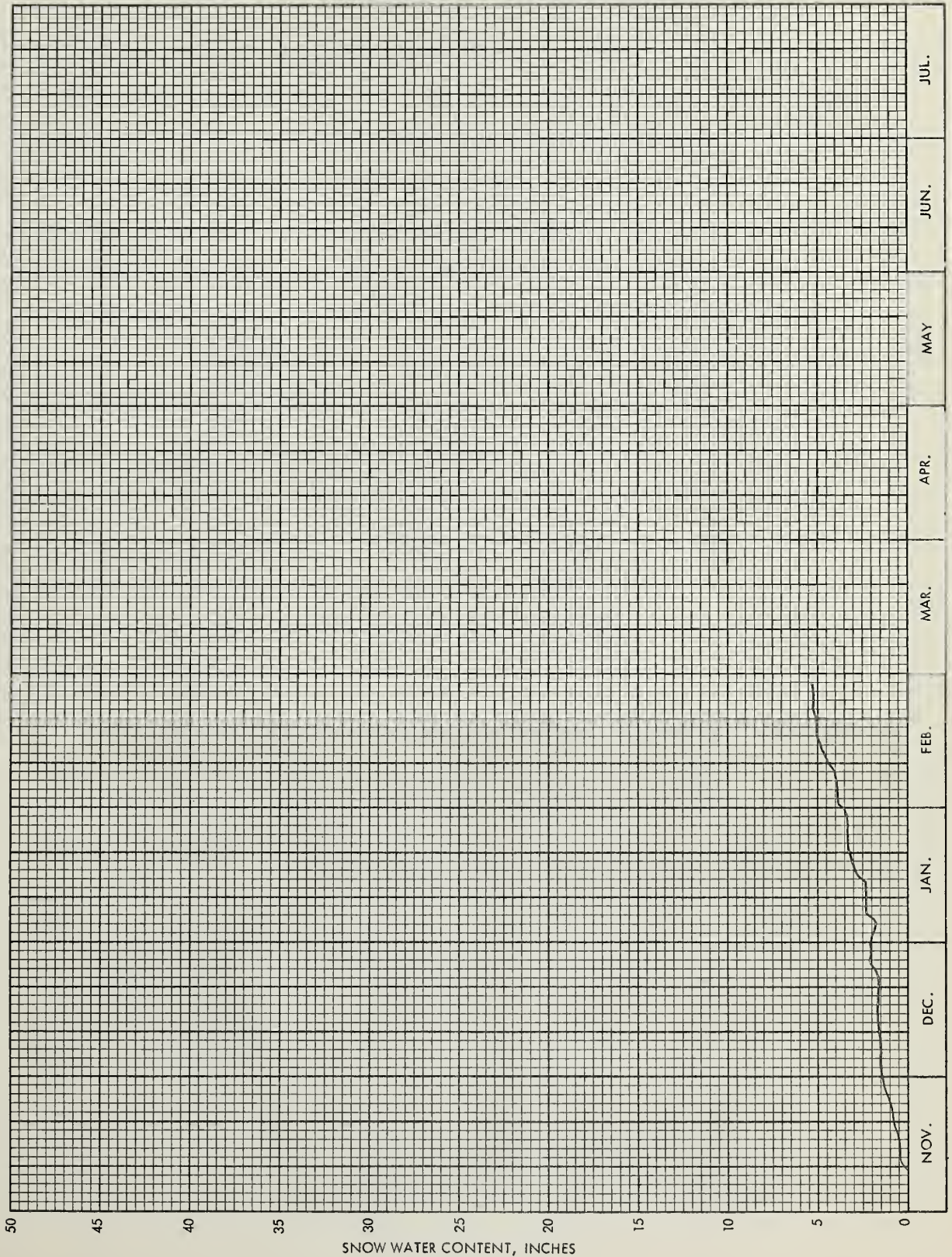




LICK CREEK
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 10 T. 4S R. 6E No. 10D13 Drainage: Missouri
Lat. 45-30 Long. 110-58 Elev. 6860 Gallatin



SNOW WATER CONTENT, INCHES

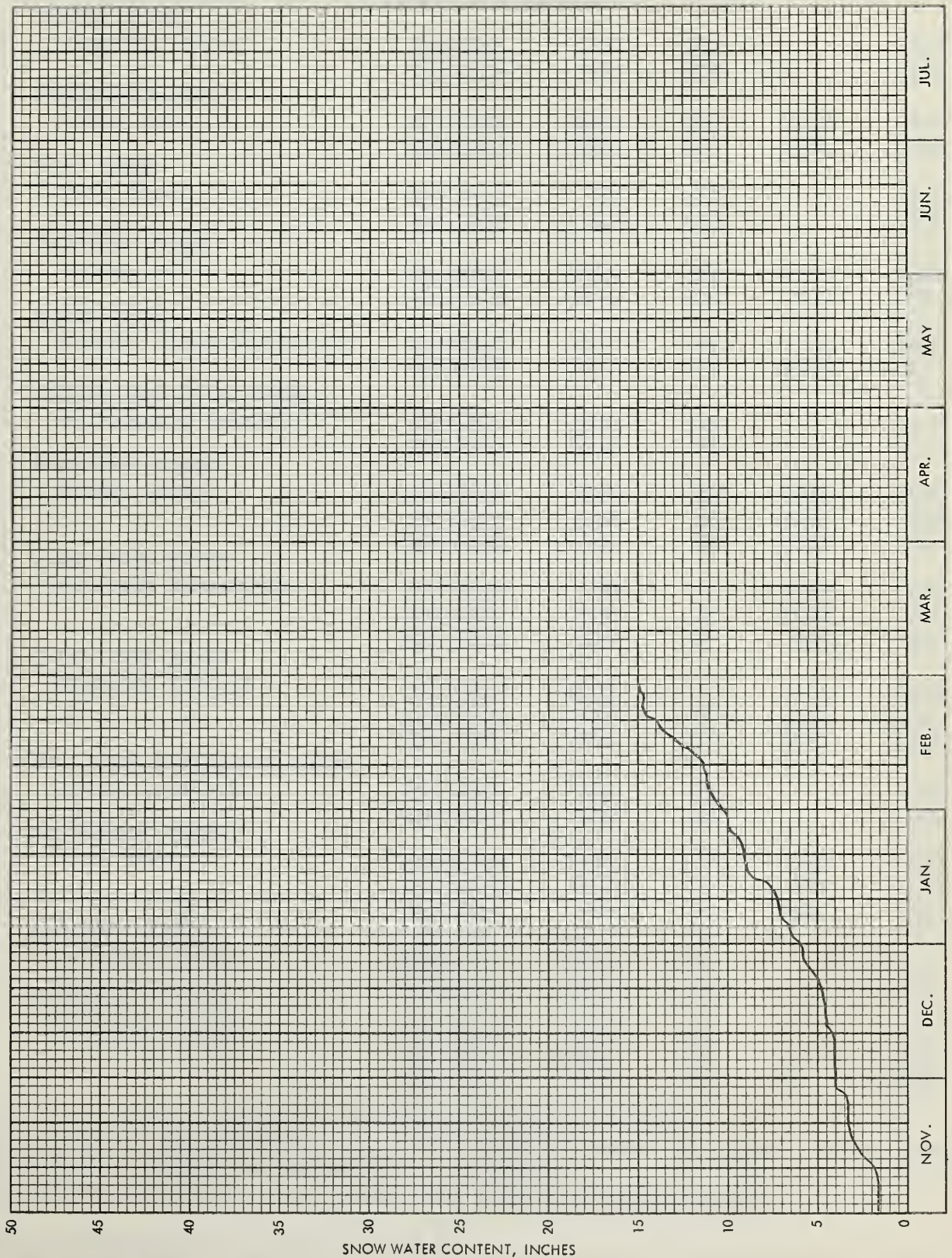


SHOWER FALLS
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 14 T. 5S R. 6E No. 10D16 Drainage: Missouri

Lat. 45-24 Long. 110-57 Elev. 8100 Gallatin





WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

		FORECAST	FORECAST	PERCENT	MEASURED FLOW	
NO.	RIVER AND FORECAST POINT	PERIOD	THIS YEAR	AVERAGE	LAST YEAR*	AVERAGE
COLUMBIA RIVER BASIN						
	FISHER RIVER					
3020	Jennings (near)	Apr-Sept	320	107		318
		Apr-July	303	107		302
	KOOTENAI RIVER					
3030	Libby (at)	Apr-Sept	8650	107	8040	8096
		Apr-July	7500	107	6894	7010
	YAAK RIVER					
3045	Troy (near)	Apr-Sept	565	102		555
		Apr-July	542	102		532
	KOOTENAI RIVER					
3050	Leonla (at)	Apr-Sept	9900	106	9131	9327
		Apr-July	8700	106	7937	8179
	FLINT CREEK					
3301	Boulder Creek (below) (3)	Apr-Sept	52.0	71	110	73.0
		Apr-July	42.2	71	87.1	59.1
	MIDDLE FORK ROCK CREEK					
3320	Philipsburg (near)	Apr-Sept	58.0	75		77.8
		Apr-July	52.8	75		70.5
	BLACKFOOT RIVER					
3400	Bonner (near)	Apr-Sept	850	82	1355	1036
		Apr-July	768	82	1219	938
		Apr-June	664	82	1054	812
	CLARK FORK RIVER					
3404	Milltown (above) (4)	Apr-Sept	570	71	1199	802
		Apr-July	500	71	1066	705
		Apr-June	430	71	932	605
	CLARK FORK RIVER					
3405	Missoula (above)	Apr-Sept	1420	77	2554	1838
		Apr-July	1268	77	2286	1642
		Apr-June	1094	77	1987	1417
	WEST FORK BITTERROOT RIVER					
3425	Conner (near) (5)	Apr-Sept	141	79		179
		Apr-July	132	79		168
	BITTERROOT RIVER					
3440	Darby (near)	Apr-Sept	450	77	740	582
		Apr-July	420	77	677	542
		Apr-June	370	77	594	478
	BLODGETT CREEK					
3475	Corvallis (near)	Apr-Sept	36.3	81		44.6
		Apr-July	34.6	81		42.6
	BITTERROOT RIVER					
3528	Missoula (at) (6)	Apr-Sept	1180	76		1553
		Apr-July	1100	76		1446
		Apr-June	950	76		1253

(3) Sum, Flint Creek at Maxville and Boulder Creek at Maxville.

(4) Difference in observed flow, Clark Fork above Missoula and Blackfoot near Bonner.

(5) Adjusted for storage in Painted Rocks Reservoir.

(6) Difference in observed flow, Clark Fork above and below Missoula.

REVIEW

BY THE EDITOR

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WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW	
					LAST YEAR*	AVERAGE
3530	CLARK FORK RIVER Missoula (below)	Apr-Sept Apr-July Apr-June	2600 2368 2044	77 77 77		3391 3088 2670
3545	CLARK FORK RIVER St. Regis (at)	Apr-Sept Apr-July Apr-June	3600 3300 2860	78 78 78	6134 5436 4704	4642 4230 3671
3555	NORTH FORK FLATHEAD RIVER Columbia Falls (near)	Apr-Sept Apr-July Apr-June	2000 1825 1550	99 99 99		2027 1844 1565
3585	MIDDLE FORK FLATHEAD RIVER West Glacier (near)	Apr-Sept Apr-July Apr-June	1800 1680 1430	94 94 94	2208 2002 1696	1923 1785 1521
3625	SOUTH FORK FLATHEAD RIVER Columbia Falls (near)(7)	Apr-Sept Apr-July Apr-June	2120 2010 1770	89 89 89	2831 2587 2265	2381 2262 1988
3630	FLATHEAD RIVER Columbia Falls (at)(7)	Apr-Sept Apr-July Apr-June	6080 5620 4840	93 93 93	7472 6798 5846	6497 6028 5185
3700	SWAN RIVER Big Fork (near)	Apr-Sept Apr-July Apr-June	620 547 448	89 89 89		694 614 503
3720	FLATHEAD RIVER Polson (near)(8)	Apr-Sept Apr-July Apr-June	7200 6750 5720	93 93 93	9216 8308 7096	7778 7229 6188
3890	CLARK FORK RIVER Plains (near)(8)	Apr-Sept Apr-July Apr-June	11150 10250 8750	87 87 87	15780 14069 12056	12793 11736 10077
3895	THOMPSON RIVER Thompson Falls (near)	Apr-Sept Apr-July	270 244	89 89		302 273
3907	PROSPECT CREEK Thompson Falls (at)	Apr-Sept Apr-July	142 134	86 86		165 155
3920	CLARK FORK RIVER Whitehorse Rapids (at)(9)	Apr-Sept Apr-July Apr-June	12650 11600 9950	88 88 88	17390 15496 13320	14398 13187 11318

(7) Adjusted for storage in Hungry Horse Reservoir.

(8) Adjusted for storage in Hungry Horse Reservoir and Flathead Lake.

(9) Adjusted for storage in Hungry Horse, Flathead Lake and Noxon Rapids Reservoirs.

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* PROVISIONAL DATA FURNISHED BY U.S. GEOLOGICAL SURVEY

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD).

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

		FORECAST	FORECAST	PERCENT	MEASURED FLOW	
NO.	RIVER AND FORECAST POINT	PERIOD	THIS YEAR	AVERAGE	LAST YEAR*	AVERAGE
MISSOURI RIVER BASIN						
0110	RED ROCK RIVER Kennedy Ranch (at)	Apr-Sept	70.0	98	96.6	71.7
		Apr-July	64.5	98	84.4	66.2
0125	RED ROCK RIVER Monida (near)(11)	Apr-Sept	75.0	96	136	784
		Apr-July	70.5	96	125	73.7
0255	BIG HOLE RIVER Melrose (near)	Apr-Sept	605	84		718
		Apr-July	560	84		669
0330	BOULDER RIVER Boulder (near)	Apr-Sept	65.0	85	139	76.3
		Apr-July	62.0	85	128	73.0
0345	JEFFERSON RIVER Sappington (at)(12)	Apr-Sept	825	85		974
		Apr-July	740	85		875
0375	MADISON RIVER West Yellowstone (near)	Apr-Sept	200	96	272	208
		Apr-July	151	96	205	157
0385	MADISON RIVER Grayling (near)(13)	Apr-Sept	400	95	577	420
		Apr-July	314	95	456	330
0410	MADISON RIVER McAllister (near)(14)	Apr-Sept	650	90	1010	718
		Apr-July	518	90	813	576
0435	GALLATIN RIVER Gateway (near)	Apr-Sept	385	86		447
		Apr-July	327	86		381
0485	BRIDGER CREEK Bozeman (near)	Apr-Sept	16.0	80	31.3	19.9
		Apr-July	15.0	80	28.9	18.7
0500	HYALITE CREEK Bozeman (near)(15)	Apr-Sept	30.7	86	53.2	35.6
		Apr-July	26.5	86	45.7	30.8
0525	GALLATIN RIVER Logan (at)	Apr-Sept	360	77	747	467
		Apr-July	305	77	627	396

- (11) Adjusted for storage in Lima Reservoir.
 (12) Adjusted for storage in Clark Canyon Reservoir.
 (13) Adjusted for storage in Hebgen Lake.
 (14) Adjusted for storage in Hebgen and Ennis Lakes.
 (15) Adjusted for storage in Middle Creek Reservoir.

ORIGINAL ARTICLES

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

		FORECAST	FORECAST	PERCENT	MEASURED FLOW	
NO.	RIVER AND FORECAST POINT	PERIOD	THIS YEAR	AVERAGE	LAST YEAR*	AVERAGE
MISSOURI RIVER						
0545	Toston (at)(16)	Apr-Sept	1730	81		2147
		Apr-July	1500	81		1861
PRICKLY PEAR CREEK						
0615	Clancy (near)	Apr-Sept	18.0	82		22.0
		Apr-July	15.7	82		19.2
SHEEP CREEK						
0770	White Sul. Spgs. (near)	Apr-Sept	14.0	85	32.2	16.5
		Apr-July	12.1	85	27.6	14.2
SUN RIVER						
0786	Gibson Dam (at)(17)	Apr-Sept	565	93	702	610
		Apr-July	520	93	632	559
MISSOURI RIVER						
0908	Fort Benton (at)(18)	Apr-Sept	2700	81		3319
		Apr-July	2300	81		2825
TWO MEDICINE CREEK						
0920	Browning (near)(19)	Apr-Sept	232	86		271
		Apr-July	224	86		260
BADGER CREEK						
0925	Browning (near)	Apr-Sept	122	85		143
		Apr-July	105	85		124
CUT BANK CREEK						
0990	Cut Bank (at)	Apr-Sept	108	76	148	142
		Apr-July	100	76	133	131
MARIAS RIVER						
0995	Shelby (near)(20)	Apr-Sept	537	82	734	651
		Apr-July	506	82	679	617
MISSOURI RIVER						
1095	Virgelle (at)(21)	Apr-Sept	3300	80		4116
		Apr-July	2840	80		3557
JUDITH RIVER						
1100	Utica (near)	Apr-Sept	29.5	88	71.5	33.5
		Apr-July	27.4	88	65.8	31.1
MISSOURI RIVER						
1150	Zortman (near)(21)	Apr-Sept	3670	81		4508
		Apr-July	3120	81		3878
NORTH FORK MUSSELSHELL R.						
1155	Delpine (near)	Apr-Sept	5.0	83	10.0	6.0
		Apr-July	4.1	82	8.3	5.0
SOUTH FORK MUSSELSHELL R.						
1185	Martinsdale (above)	Apr-Sept	41.0	84	73.6	48.8
		Apr-July	39.0	84	64.6	46.6

- (16) Adjusted for storage in Hebgen and Ennis Lakes and Clark Canyon Reservoir.
 (17) Adjusted for storage in Gibson Reservoir and diversions.
 (18) Adjusted for storage in Canyon Ferry Reservoir.
 (19) Adjusted for storage in Two Medicine Res. & diversions into Two Medicine Canal.
 (20) Adjusted for storage in Two Medicine, Four Horns, Lake Frances & Swift Res.
 (21) Adjusted for storage in Canyon Ferry and Tiber Reservoirs.

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW	
					LAST YEAR*	AVERAGE

YELLOWSTONE RIVER BASIN

YELLOWSTONE RIVER						
1915	Corwin Springs (at)	Apr-Sept	1720	92	2565	1877
		Apr-July	1440	92	2090	1572
YELLOWSTONE RIVER						
1925	Livingston (near)	Apr-Sept	1920	90		2127
		Apr-July	1590	90		1770
SHIELDS RIVER						
1935	Clyde Park (at)	Apr-Sept	85.0	86		99.0
		Apr-July	79.2	86		92.2
BOULDER RIVER						
2000	Big Timber (at)	Apr-Sept	282	82		343
		Apr-July	264	82		321
STILLWATER RIVER						
2050	Absarokee (near)(25)	Apr-Sept	445	81		552
		Apr-July	375	81		465
CLARKS FORK RIVER						
2075	Chance (at)	Apr-Sept	520	89		583
		Apr-July	470	89		528
CLARKS FORK RIVER						
2085	Edgar (at)	Apr-Sept	542	89		609
		Apr-July	478	89		538
ROCK CREEK						
2095	Red Lodge (near)	Apr-Sept	83.5	81	142	103
		Apr-July	64.5	81	108	79.6
YELLOWSTONE RIVER						
2145	Billings (at)	Apr-Sept	3260	83	5544	3913
		Apr-July	2790	83	4555	3362
BIG HORN RIVER						
2870	St. Xavier (near)(26)	Apr-Sept	1200	72		1677
		Apr-July	1130	72		1568
YELLOWSTONE RIVER						
3090	Miles City (at)(27)	Apr-Sept	4260	74		5778
		Apr-July	3760	74		5080
YELLOWSTONE RIVER						
3295	Sidney (near)(27)	Apr-Sept	4050	69		5850
		Apr-July	3610	69		5230

(25) Adjusted for storage in Mystic Lake.

(26) Adjusted for storage in Buffalo Bill, Boysen, Bull Lake and Yellowtail Reservoirs

(27) Adjusted for storage in Buffalo Bill, Boysen and Yellowtail Reservoirs.

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

1000 Acre Feet

NO.	RIVER AND FORECAST POINT	FORECAST	FORECAST	PERCENT	MEASURED FLOW	
		PERIOD	THIS YEAR	AVERAGE	LAST YEAR*	AVERAGE
	MISSOURI RIVER					
1320	Ft. Peck Dam (below) (22)	Apr-Sept	3540	80		4422
		Apr-July	3120	80		3894
	MILK RIVER					
1350	Eastern Crossing (at)	Mar-Sept	260	96	352	272
	MISSOURI RIVER					
1770	Wolf Point (near) (22)	Apr-Sept	3900	80		4879
		Apr-July	3450	80		4317
	MISSOURI RIVER					
3300	Williston, N.D. (nr.) (29)	Apr-Sept	8200	74		11059
		Apr-July	7250	74		9828

SASKATCHEWAN RIVER BASIN

ST. MARY RIVER						
0175	Babb (near)(30)	Apr-Sept	459	94		491
		Apr-July	398	94		424

- (22) Adjusted for storage in Canyon Ferry, Tiber and Fort Peck Reservoirs.
 (29) Adjusted for storage in Canyon Ferry, Tiber, Fort Peck, Buffalo Bill, Boysen and Yellowtail Reservoirs.
 (30) Adjusted for storage in Lake Sherburne.

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	
						LAST YEAR	AVERAGE

COLUMBIA RIVER BASIN

KOOTENAI RIVER

15B11	Baree Creek	5500	3/1	115	38.5	45.8	-
15B16	Baree Midway	4600	3/1	98	30.9	-	-
15B15	Baree Trail	3800	3/1	44	11.2	12.1	-
14A04	Brush Creek	5000	2/28	40	10.6	13.2	12.7*
BC 10	Fernie	3500	2/25	35	10.0	12.6	9.0
BC 12A	Field	4200	2/27	27	5.1	8.2	5.8
BC 11	Glacier	4100	2/27	85	28.0	21.7	24.0*
14A11	Graves Creek	4300	3/2	53	15.3	19.9	-
BC 43	Gray Creek	5100	2/28	53	15.4	16.7	16.7*
BC 33	Kicking Horse	5400	2/27	48	13.0	16.4	13.3
BC 20B	Kimberley	3800	2/27	29	8.8	10.4	8.4
BC 32	Marble Canyon	5000	2/27	52	16.3	12.8	13.5
BC 10B	Morrissey Ridge	6100	2/28	73	27.5	32.5	-
BC 10A	New Fernie	4100	2/25	47	15.3	19.1	13.2*
15A01	Red Mountain	6000	3/3	60	17.8	20.0	18.0
BC 8A	Sinclair Pass	4500	2/28	25	6.6	5.1	5.8*
BC 20A	Sullivan Mine	5100	2/25	39	12.5	12.5	13.4
BC 41	Upper Elk River	4400	2/26	23	6.5	9.0	7.9
14A07	Weasel Divide	5450	3/2	81	28.2	35.4	30.4*

FLATHEAD RIVER

14B03	Bassoo Peak	5150	2/28	44	10.8	10.0	11.1*
13A11	Beaver Lake	5900	2/25	54	17.5	25.7	-
13B03	Big Creek	6750	3/2	87	30.8	48.4	38.5
13A17	Camp Misery	6400	3/1	101	35.2	54.2	33.0*
13A02	Desert Mountain	5600	2/25	36	12.5	20.0	14.1*
13B04	Fatty Creek	5500	3/2	54	17.2	23.4	18.0*
14A09	Griffin Creek Divide	5150	3/1	36	9.8	12.6	12.4*
13B12	Gunsight Lake	6300	2/25	87	32.5	45.7	-
14A03	Hell Roaring Divide	5770	3/1	76	25.9	35.3	26.8*
13B13	Holbrook	4530	2/25	29	7.9	12.7	10.2*
14A06	Kishenehn	3890	2/25	32	8.8	13.2	9.9
14A05	Logan Creek	4300	2/28	34	8.0	8.8	8.8*
13A05	Marias Pass	5250	2/25	48	15.8	21.0	17.3
13A16	Mineral Creek	4000	2/28	61	17.8	26.1	19.8
13B07	North Fork Jocko	6330	3/3	98	33.8	49.8	39.8
13B02	Spotted Bear Mountain	7000	3/3	45	13.7	19.7	14.6
13B01	Trinkus Lake	6100	3/3	94	32.6	48.9	36.3*
13B11	Twin Creeks	3580	3/3	42	12.6	14.6	12.4*
13B05	Upper Holland Lake	7000	3/3	80	26.5	39.1	29.8*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	
						LAST YEAR	AVERAGE

CLARK FORK RIVER

13C13	Black Pine	7100	2/28	34	9.3	16.4	11.3*
13C13	Black Pine Pillow	7100	2/28	SP	8.8	-	-
12B10	Copper Creek	5700	2/23	40	12.4	16.8	-
12B11	Cotter Mine	6250	2/23	43	13.1	20.0	-
13B10	Coyote Hill	4200	3/3	30	8.4	13.4	10.2
13C09	El Dorado Mine	7800	2/24	38	10.8	25.2	17.6*
13C11	Fred Burr Pass	8000	3/1	58	15.4	33.0	23.8*
13C10	Gold Creek Lake	7200	2/24	31	8.6	18.4	13.4*
14C10	Heart Lake Trail	4800	3/3	71	21.4	23.8	-
15C01	Hoodoo Creek	5900	3/3	107	34.6	52.3	45.3*
13C04	Intergaard	6450	3/1	25	5.7	10.1	7.2
15B02	Lookout	5250	2/28	88	27.1	33.5	34.8*
13C21	Lubrecht Forest No. 3	5450	2/27	25	6.9	8.2	7.4*
13C22	Lubrecht Forest No. 4	4650	2/27	15	3.6	4.2	3.9*
13C08	Lubrecht Forest No. 6	4040	2/27	17	3.8	5.0	4.6*
13C12	Red Lion	7100	3/1	43	10.0	21.8	13.8*
13C03	Skalkaho Summit	7260	2/26	56	17.2	32.6	22.5*
13C02	Slide Rock Mountain	7100	2/25	35	10.0	17.6	12.6*
13C05	Southern Cross	6500	3/1	22	5.4	7.8	5.6
13C18	Spring Gulch	6000	2/26	38	10.3	16.0	10.5*
13C07	Storm Lake	7780	3/1	36	7.6	16.4	11.7*
13C06	Stuart Mill	6500	3/1	23	4.8	7.8	5.9
13C01	Stuart Mountain	7400	2/26	74	25.1	32.7	26.5*
14B01	TV Mountain	6800	2/25	49	15.4	21.7	14.9*

BITTERROOT RIVER

13C16	Ambrose	6480	3/2	39	10.2	14.8	12.1*
13D01	East Fork R.S.	5400	2/25	21	4.5	9.4	7.1*
13D02	Gibbons Pass	7100	2/25	46	12.6	27.5	21.0
14C05	Lolo Pass	5230	2/25	62	20.2	34.0	32.2*
14C07	Lost Horse	5940	3/1	73	20.0	36.1	30.3*
13D16	Moose Creek	6200	2/24	34	10.6	21.0	14.9
14D02	Nez Perce Camp	5680	2/28	38	9.2	18.4	12.8*
14D01	Nez Perce Pass	6570	2/28	41	10.4	20.8	14.8*
13D22	Saddle Mountain	7940	2/25	48	13.4	30.0	-
14C04	Savage Pass	6600	3/1	73	21.4	29.4	25.0*
14C08	Twin Lakes	6510	3/1	90	26.6	47.0	39.5*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE.



SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	
						LAST YEAR	AVERAGE

MISSOURI RIVER BASIN

BEAVERHEAD RIVER

13D10	Bloody Dick	7600	2/24	26	6.2	115.4	9.6
12E03	Camp Creek	6800	2/23	27	6.8	13.1	8.7
12D04	Carter Creek	7400	3/1	14	2.5	4.4	-
13E22	Dad Creek Lake	8400				-	-
13D15	Elk Horn Springs	7800	2/28	32	5.9	13.4	8.8
13D09	Gold Stone	8100	2/24	32	8.2	19.7	12.4
11E12	Kilgore	6200	2/26	30	8.2	11.9	8.8
11E04	Lakeview Canyon	6930	2/23	33	9.4	18.2	9.6
11E03	Lakeview Ridge	7400	2/23	28	7.7	16.2	8.1
13E01	Lemhi Pass	7480	2/23	25	5.4	14.6	7.1
13E02	Trail Creek	7090	2/23	23	4.6	12.2	6.4
12E01	White Pine Ridge	8850	3/4	19	3.7	6.5	4.4

RUBY RIVER

11D08	Clover Meadow	8600	3/4	40	11.0	21.7	-
12E07	Divide	7900	3/4	30	7.0	15.3	-
12E06	Notch	8500	3/4	44	12.1	17.4	-

BIG HOLE RIVER

13D20	Abundance Lake	8800	3/4	49	13.6	24.1	-
13D19	Darkhorse Lake	8600	3/4	53	16.4	34.6	-
13D21	Foolhen	8280	3/4	40	10.7	22.4	-
13D08	Jahnke Creek	7340	2/24	24	5.5	13.0	8.8

JEFFERSON RIVER

12C07	Berry Meadow	7300	2/28	23	5.1	8.0	6.5*
12C06	Picnic Grounds	6500	3/1	16	2.6	4.4	4.2*
12D01	Pipestone Pass	7200	3/1	21	3.6	5.2	4.5

MADISON RIVER

11E09	Big Springs	6500	2/25	46	13.9	24.6	19.6
11D07	Call Road	8050	3/4	34	7.4	12.8	-
11D12	Four Mile	6900	2/25	22	5.3	-	-
11E25	Freezeout Lake	7200	Delayed Report			-	-
11E26	Freezeout Mountain	8250	Delayed Report			-	-
11E05	Hebgen Dam	6550	2/26	29	6.7	14.2	10.8
11E10	Island Park	6315	2/25	40	11.2	20.4	15.3
11D05	Jack Creek	7500	3/1	16	3.0	6.4	5.0*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE



SNOW SURVEY DATA

AS OF MARCH 1, 1966

(inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	
						LAST YEAR	AVERAGE

MADISON RIVER (continued)

11E22	Lake Creek	6100	Delayed Report			-	-
11D11	Lower Twin	7900	2/25	44	13.6	-	-
11E23	Meridian Creek	7000	Delayed Report			-	-
10E02	Norris Basin	7500	2/27	30	7.1	14.1	9.0*
11D03	North Meadow	7500	2/25	21	4.9	11.4	7.3*
11E21	Potomageton Park	7150	3/1	38	9.5	19.0	-
11E20	Sentinel Creek	8300	3/4	53	15.4	32.2	-
11E24	Tepsee Creek	8000	Delayed Report				
11E08	Valley View	6500	2/25	37	10.6	24.0	13.2
11E07	West Yellowstone	6700	2/26	27	7.0	15.0	10.6

GALLATIN RIVER

10D14	Arch Falls	7350	2/26	26	6.4	14.8	9.5*
11D09	Bear Basin	8150	3/3	43	12.0	25.0	16.3*
10D15	Bridger Bowl Pillow	7250	3/1	SP	16.2	27.0	-
10D04	Devil's Slide	8100	2/26	46	12.2	26.3	17.4
10D03	Hood Meadow	6600	2/26	21	4.6	11.6	7.6
10D13	Lick Creek Pillow	6860	3/2	SP	5.6	12.6	-
11D10	Little Park	7400	3/3	35	8.5	18.6	11.4*
10D01	New World	6700	2/25	24	5.6	11.6	8.6
10D16	Shower Falls Pillow	8100	2/28	SP	15.0	-	-
11E06	Twenty-One Mile	7150	2/26	43	12.7	27.0	15.8

MISSOURI RIVER (Main Stem)

11C01	Boulder Mountain	7950	3/1	44	12.2	17.9	12.5*
12C05	Chessman Reservoir	6200	3/1	13	2.2	3.8	4.0
10C09	Deadman Creek	6450	3/3	36	8.7	-	-
10C07	Elk Peak	8000	3/2	53	11.2	19.5	13.3*
10C02	Grasshopper	7000	3/2	24	4.0	6.6	4.3
10C01	Kings Hill	7500	2/28	34	7.8	15.3	11.0
9A01	Rocky Boy	5200	3/1	15	3.0	4.6	4.2
12C01	Stemple Pass	6600	2/28	31	7.1	11.9	9.2
12C02	Ten Mile Lower	6600	3/1	20	3.8	7.7	6.3
12C03	Ten Mile Middle	6800	2/28	27	6.1	12.1	9.1
12C04	Ten Mile Upper	8000	2/28	31	7.6	16.3	11.7

SUN-TETON-MARIAS RIVERS

13A15	Badger Pass	6900	2/25	76	28.7	38.6	-
12B06	Cabin Creek	5200	2/25	21	6.6	9.7	6.8*
12B09	Five-Bull	5700	3/1	30	6.1	9.8	6.1*
12A01	Freight Creek	6000	2/28	49	13.2	20.4	14.5

SP - Snow Pillow Observation - Water Content only.

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	
						LAST YEAR	AVERAGE

SUN-TETON-MARIAS RIVERS (continued)

12B07	Goat Mountain	7000	2/28	38	10.0	13.4	10.6
12B01	West Fork	6000	2/28	40	10.1	21.8	13.4*
12B04	Wrong Creek	5700	2/25	41	13.3	17.8	14.5*
12B03	Wrong Ridge	6800	2/25	48	18.5	26.0	19.6*

JUDITH RIVER

9C01	Crystal Lake	6100	3/4	36	8.1	13.6	10.5
10C06	Spur Park	8000	3/3	56	14.7	23.4	16.0*

MILK RIVER

10AA2	Cress Day B	3450	2/28	9	2.3	2.8	1.3*
9AA1	Cypress Park C	4000	3/1	18	4.2	1.9	4.1*
10AA1	Elkwater Lake A	4100	2/28	8	1.8	1.7	2.0*
7AA1	Val Marie D	2700	3/3	9	1.9	3.0	1.1*

ST. MARY RIVER

13A18	Hudson Bay Divide	5800	2/28	50	15.1	19.8	-
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UPPER YELLOWSTONE RIVER

10C05	Bald Ridge	7500	3/2	34	7.4	15.6	9.2*
9D01	Camp Senia	7890	2/24	9	2.1	5.8	4.8*
10E03	Canyon	7750	2/27	39	9.8	23.4	13.1
9D07	Cooke Station	8150	2/25	42	11.6	New Course	
10D05	Crevice Mountain	8400	2/28	27	6.0	11.8	7.5
10E06	East Entrance	7000	3/1	35	7.3	12.1	10.4*
9D06	Fisher Creek	9100	2/25	75	25.3	New Course	
9D05	Grizzly Peak	8400	2/28	22	6.6	16.8	10.1*
10D06	Independence	8000	2/28	41	11.2	21.6	15.6*
10E04	Lake Camp	7850	2/28	29	5.5	13.2	9.0
9E01	Lodgepole	8200	2/27	24	5.5	9.9	8.6*
10E01	Lupine Creek	7300	3/1	33	7.5	14.2	9.5
10D12	Monument Peak	9000	2/28	50	15.2	33.6	18.1*
10D07	Northeast Entrance	7400	2/28	22	5.0	13.1	7.5
10C03	Porcupine R.S.	6500	3/2	23	4.5	9.3	6.3
10D10	Sacajawea	6550	2/25	32	9.0	16.4	11.1*
10C08	South Fork Shields	8100	3/2	60	16.1	29.4	-
10E05	Sylvan Pass	7100	3/1	40	8.7	16.8	12.6
10E07	Thumb Divide	7900	2/26	51	17.1	29.3	20.0
9D04	Timberline Creek	8850	2/24	28	6.8	19.5	10.9*
9D02	West Rosebud	7500				16.9	-

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE



SOIL MOISTURE DATA

AS OF MARCH 1, 1966

(Inches)

SOIL MOISTURE STATION			SOIL PROFILE		CURRENT DATA		PAST RECORD	
NO.	NAME	ELEVATION	DEPTH	FIELD CAPACITY	DATE OF SURVEY	SOIL MOISTURE	LAST YEAR	**AVERAGE

COLUMBIA RIVER BASIN

Kootenai

15B15M	Baree Trail	3800	48	7.5	3/1	6.3	6.3	-
14A10M	Murphy Lake R.S.	3000	48	22.6	3/2	19.5	21.7	-
15A02M	Raven R.S.	3050	48	23.0	3/2	21.8	21.9	-

Flathead

13A02M	Desert Mountain	5600	54	8.4	2/25	7.3	7.5	7.0
13A05M	Marias Pass	5250	54	6.5			5.8	5.3

Clark Fork

13C13M	Black Pine	7100	48	10.0	2/28	5.2	-	-
13C15M	Georgetown Lake	6450	48	9.0	3/1	3.6	2.8	2.8
13B19M	Seeley Lake R.S.	4030	48	11.9	3/1	9.9	-	-
13C03M	Skalkaho Summit	7260	48	10.8	2/26	10.0	8.9	-

Bitterroot

13D18M	Gibbons Pass	7100	48	7.1	2/25	5.0	5.5	5.6
14C05M	Lolo Pass	5250	48	10.6	2/25	6.2	7.4	-

MISSOURI RIVER BASIN

Beaverhead

11E13M	Lakeview	6700	48	15.3	3/1	6.0	13.6	9.9
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Madison

10D04M	Red Bluff	4800	40	4.7	3/1	2.4	2.3	2.2
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Gallatin

10D15M	Bridger Bowl	7250	48	15.8	3/1	15.6	-	-
11D02M	College Site	4856	54	14.5	2/25	13.5	10.0	9.3
10D13M	Lick Creek	6860	48	18.8	3/2	12.1	-	-
11E06M	Twenty-One Mile	7150	48	10.0	2/28	3.0	1.5	-

Missouri Main Stem

10C01M	Kings Hill	7420	48	11.8	3/3	8.8	7.8	-
12C08M	Stemple Pass	6350	48	5.9	2/28	4.4	4.2	-

Yellowstone

10D11M	Battle Ridge	6020	48	17.6	2/25	13.0	15.6	12.8
10D07M	Northeast Entrance	7350	48	9.4	2/28	7.5	5.9	6.9

RESERVOIR STORAGE DATA

AS OF FEBRUARY 28, 1966

(1000 Acre Feet)

1969 Acre Feet

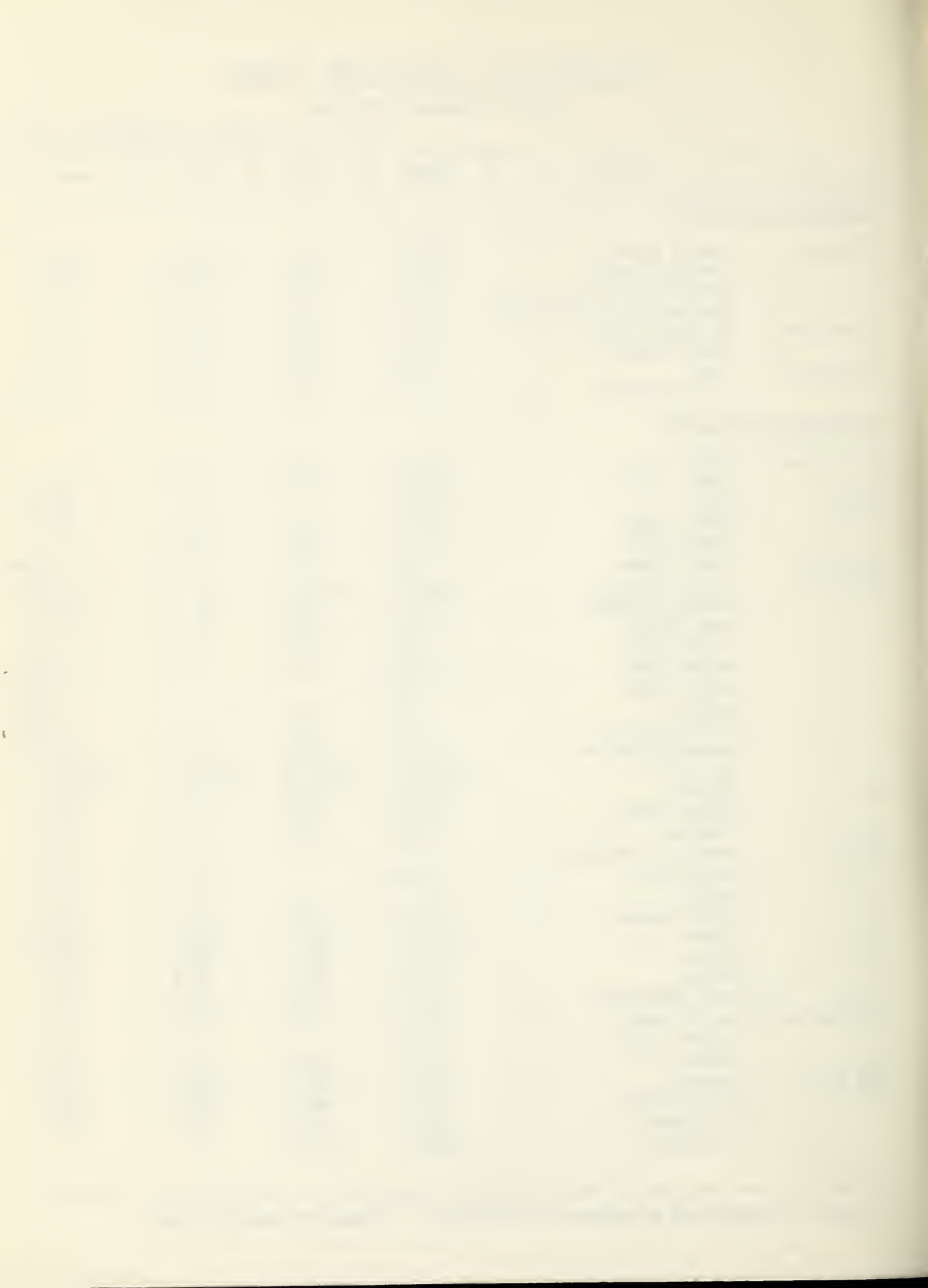
BASIN	RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE		
			THIS YEAR	LAST YEAR	AVERAGE

COLUMBIA RIVER BASIN

Flathead	Hungry Horse	3,428.0	2,272.0	2,370.0	2,436.3**
	Flathead Lake	1,791.0	918.3	1,143.0	845.1
	Camas (Sum or 4)	45.2	28.8	20.3	32.2
	Mission Valley (Sum of 8)	100.3	58.7	39.3	34.5
Clark Fork	Georgetown Lake	31.0	26.8	26.9	23.2
	Noxon Rapids	334.6	308.3	287.3	-
Bitterroot	Como	34.9	14.6	15.4	11.8
	Painted Rocks	31.7	16.9	22.6	13.5**

MISSOURI RIVER BASIN

Beaverhead	Clark Canyon	328.9	151.1	75.7	-
	Lima	84.0	45.9	45.7	26.1
Ruby	Ruby	38.8	-	-	23.0**
Madison	Hebgen Lake	377.5	222.3	220.8	179.1
	Ennis Lake	41.0	38.6	33.5	37.3
Gallatin	Middle Creek	8.0	1.8	3.9	3.6**
Missouri	Canyon Ferry	2,043.0	1,551.0	1,763.0	1,514.9**
	Hauser & Helena	61.9	62.4	61.3	53.9
	Lake Helena	10.4	10.7	10.2	7.8
	Holter Lake	81.9	81.7	40.1	50.7
	Smith River	10.7	7.4	8.7	5.6**
	Ackley Lake	5.8	-	-	3.5
	Durand	7.0	5.4	6.3	4.2**
	Martinsdale	23.1	11.8	7.5	8.0**
	Deadman's Basin	72.2	67.4	48.0	39.8**
	Fort Peck	19,410.0	16,700.0	15,220.0	10,595.1
Sun	Gibson	105.0	50.8	48.0	58.5
	Willow Creek	32.3	23.8	15.8	19.6
	Pishkun	32.0	18.8	17.4	18.4
Marias	Lower Two Medicine	-	-	-	0.0
	Four Horns	19.2	-	13.1	10.5
	Swift	-	-	-	22.0
	Lake Frances	112.0	93.8	81.9	91.8
	Tiber	1,347.0	656.1	692.1	629.4**
Milk	Fresno	127.2	81.5	62.8	58.6
	Nelson	66.8	48.7	35.6	35.4
	Lake Sherburne	66.1	12.9	16.3	21.6
Yellowstone	Mystic Lake	20.8	10.5	8.5	7.8
	Tongue River	68.0	-	-	13.1
	Cooney	27.5	17.9	14.8	11.1**
Big Horn	Boysen	700.3	320.3	296.4	227.2
	Buffalo Bill	373.1	269.7	143.5	144.2
	Bull Lake	151.7	99.0	85.6	61.8
	Yellowtail	1,409.0	205.0	-	-



Agencies Cooperating in Collecting Data Contained in this Bulletin

U. S. Forest Service
Region 1, Missoula, Montana

U. S. Geological Survey
Helena, Montana

U. S. Army Corps of Engineers
Portland, Oregon
Seattle, Washington
Omaha, Nebraska

U. S. Indian Irrigation Service
St. Ignatius, Montana

U. S. Weather Bureau
Helena, Montana

U. S. Bureau of Sports Fisheries
and Wildlife
Red Rock Lakes Refuge
Mojave, Montana

U. S. Bureau of Reclamation
Billings, Montana
Boise, Idaho

U. S. Soil Conservation Service
Montana, Wyoming, Idaho

Soil and Water Conservation Districts
Montana Counties

U. S. Bonneville Power Administration
Portland, Oregon

U. S. National Park Service
Yellowstone National Park
Glacier National Park

Montana Power Company
Butte, Montana

State Water Conservation Board
Helena, Montana

North Montana Branch Station
Agricultural Experiment Station
Havre, Montana

Montana State University
Agricultural Experiment Station
Bozeman, Montana

University of Montana
School of Forestry
Missoula, Montana

Johnson Flying Service, Inc.
Missoula, Montana

Water Rights Branch, Dept. of
Lands and Forests
Victoria, British Columbia

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domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*